

a<sup>5</sup> For portable use, the LEDs are operated from batteries 52, which are located in a hand grip 53 attached to the body 54, in Figure 5. However, the heat pipe design can be modified as shown in Figure 9 to accommodate batteries. The heat pipe consists of two concentric heat conducting tubes 55,56 with a folded interstitial heat conduction element 57 between these tubes similar in appearance to a length of corrugated sheet rolled into a tube. This lies within the concentric tubes. The wicks 58 of the heat pipe can then be placed in alternative grooves in the corrugated sheet, while the empty grooves 59 allow for the rapid movement of the vapour formed at the warmer end of the heat pipe.

Amend the paragraph starting at line 9 on page 15, to read as follows: ✓

a<sup>6</sup> By designing the heat pipe in this way batteries, capacitors, supercapacitors or other energy source 60 can be located within the inner tube 55 of the heat pipe.

IN THE CLAIMS: ✓

a<sup>7</sup> Claim 20 (amended). A device as claimed in claim 19 in which each successive guide is provided with a ring of LEDs around the output end of the preceding guide.

REMARKS

Claims 1-30 remain in the application.

In paragraph 1 of the official action, the Examiner objects to the form of the title and suggests that it should be changed to "Optical Irradiation Device LED and Optic Fibres". The applicant agrees to this change of title and has amended the title accordingly.

The Examiner has various objections to repetition of reference numerals in the text and drawings, and the applicant therefore proposes the following changes: